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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/783,779	02/20/2004	Yu Gong	50277-2334	6676
43425 7590 04/01/2009 HICKMAN PALERMO TRUONG & BECKER/ORACLE 2055 GATEWAY PLACE SUITE 550 SAN JOSE, CA 95110-1083				
			EXAMINER HARPER, LEON JONATHAN	
			ART UNIT 2166	PAPER NUMBER
			MAIL DATE 04/01/2009	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/783,779

Applicant(s)

GONG, YU

Examiner

LEON HARPER

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 January 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 100-115 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 100-115 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/CDC)
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date: _____

DETAILED ACTION

Response to Amendment

1. The amendment filed 1/8/2009 has been entered. Claim 100 has been amended. No claims have been added or cancelled. Accordingly, claims 100-115 are pending in this office action.

Response to Arguments

Applicant's arguments filed 1/8/2009, with respect to the rejection(s) of claim(s) 100-115 under Thomson with respect to the argued limitation a source ETL application receiving, from a user, input that selects one or more database objects to be transported from a source database to a target database" have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of an non final obvious rejected with a newly cited reference..

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 100-115 are rejected under 35 U.S.C. 103(a) as being unpatentable over US (20040034615 Thomson) in view of 6549922 (hereinafter Srivastava)

As for claim 100 Thomson discloses: wherein said source ETL application includes source ETL metadata, separate from said source database metadata, that describes database objects of said source database (See paragraph 0063); said source ETL application causing generation of a module comprising metadata that describes said one or more of database objects (See paragraph 0095); a target ETL application reading said module; wherein said target database system includes target database metadata that describes database objects of said target database; wherein said target ETL application includes target ETL metadata (See paragraph 0043-0050), separate from said target database metadata, that describes said database objects of said target database; wherein said reading said module causes said target ETL application to perform loading said database objects within said target database; wherein said loading includes: modifying said target ETL metadata to describe said one or more database objects; modifying said target database metadata to describe said one or more database objects; incorporate within said target database a tablespace holding data for at least one of said one or more database objects (See paragraphs 0036, 0050, 0054).

Thomson does not explicitly disclose a source ETL application receiving, from a user, input that selects one or more database objects to be transported from a source

database to a target database ; wherein said source database system includes source database metadata that describes database objects of said source database.

Srivastava does disclose a source ETL application receiving, from a user, input that selects one or more database objects to be transported from a source database to a target database (See column 2 lines 30-40); wherein said source database system includes source database metadata that describes database objects of said source database (See column 4 lines 31-39). It would have been obvious to an artisan of ordinary skill in the pertinent art at the time the invention was made to have incorporated the teaching of Srivastava into the system of Thomson. The modification would have been obvious because the two references are concerned with the solution to problem of data processing, therefore there is an implicit motivation to combine these references. In other words, the ordinary skilled artisan, during his/her quest for a solution to the cited problem, would look to the cited references at the time the invention was made. Consequently, the ordinary skilled artisan would have been motivated to combine the cited references since Srivastava's teaching would enable user's of the Thomson system to have efficient optimized metadata storage (See S r i column 1 lines 25-35).

As for claim 101 the rejection of claim 100 is incorporated and further Thomson discloses: in response to a failure occurring during the loading of said database objects within said target database, rolling back all changes made during the loading of the database objects to the target database (See paragraph 0066).

As for claim 102 the rejection of claim 100 is incorporated and further Thomson discloses: wherein the selected one or more database objects to be transported from a source database to a target database includes a database object that has metadata stored outside of the source database (See paragraphs 0151-0153).

As for claim 103 the rejection of claim 100 is incorporated and further Thomson discloses: wherein generation of a module includes analyzing the source database metadata for dependencies (See paragraph 0009).

As for claim 104 the rejection of claim 100 is incorporated and further Thomson discloses: wherein analyzing the source database metadata for dependencies includes ensuring proper order of loading of the source database metadata into the target database (See paragraph 0046, 0107).

As for claim 105 the rejection of claim 100 is incorporated and further Thomson discloses: storing said module in one or more files in a source file system (See paragraph 0046).

As for claim 106 the rejection of claim 105 is incorporated and further Thomson discloses: said target ETL application performing the steps of: reading a specification containing information for how to move modules from said source file system to a target file system; and wherein said information comprises a network protocol and the location

Art Unit: 2166

in the source file system of said one or more files; and accessing said one or more files in a source file system based on said information (See paragraphs 0006).

As for claim 107 the rejection of claim 106 is incorporated and further Thomson discloses: wherein the network protocol is one of FTP, HTTP, HTTPS, or rsync (See paragraphs 0006, 0037, figure 2).

Claims 108-115 are method claims corresponding to the method of claims 100,103-107, 101-102 and are thus rejected for the same reasons as set forth in the rejection of claims 100,103-107, 101-102.

Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEON HARPER whose telephone number is (571)272-0759. The examiner can normally be reached on Flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJH
Leon J. Harper
March 30, 2009

/Hosain T Alam/
Supervisory Patent Examiner, Art Unit 2166